OLYMPICWEIGHTLIFTING &POWERLIFTINGCONDITIONING

Olympic weightlifting and powerlifting conditioning both play critical roles in enhancing athletic performance but focus on different aspects of strength and power development.

Olympic weightlifting conditioning emphasizes explosive power, speed, coordination, and dynamic movement patterns through lifts like the snatch and clean & jerk. These lifts require mastering technical skill, high-rate force production, and dynamic postural control, improving rate of force development and athletic explosiveness. Olympic lifts are often integrated into sports conditioning for their ability to improve vertical jump, speed strength, and power output. Programming includes skill development phases using lighter weights progressing to heavier, more powerful sets, often with compound and plyometric assistance exercises to improve speed and coordination.[1][2][3]

Powerlifting conditioning, on the other hand, is tailored to maximizing maximal strength output in the squat, bench press, and deadlift. Conditioning focuses on improving work capacity, recovery, and cardiovascular fitness without compromising heavy lifting performance. Common conditioning methods include sled drags, prowler pushes, weighted carries, low-impact intervals, circuit training using accessory lifts, and short rest period training to improve muscular endurance while preserving CNS recovery. Conditioning is strategically programmed around heavy strength sessions, often kept low to moderate volume and frequency (e.g., 2-3 sessions weekly) to avoid performance decline. The goal is to enhance general fitness, recovery, and training capacity, ultimately supporting maximal strength gains.[4][5][6]

Hybrid approaches exist where Olympic lifts are programmed before powerlifting lifts due to their CNS demand or placed on separate training days. This allows athletes to capitalize on explosive power development (Olympic lifts) alongside maximal strength gains (powerlifting), complementing each other well for overall sports performance, especially in explosive or speed-power sports. Volume and intensity must be managed carefully to avoid overtraining.[7]

In summary:

Aspect	Olympic Weightlifting Conditioning	Powerlifting Conditioning
Focus	Explosive power, speed, coordination	Maximal strength, work capacity, recovery
Key Movements	Snatch, Clean & Jerk	Squat, Bench Press, Deadlift
Training Style	Skill development, dynamic lifts, plyometrics	Sled drags, carries, circuit training, short rest intervals
CNS Demand	High, often programmed before powerlifting	Moderate, managed around heavy lifts
Conditioning Goal	Improve rate of force, power output, athletic explosiveness	Improve cardiovascular fitness, recovery, and endurance
Frequency & Volume	Typically incorporated in phases or separate days	2-3 low to moderate volume sessions per week
Application	Explosive sports, multi-sport performance	Strength sports, bodybuilding, general strength development

Athletes and coaches should tailor conditioning to the individual's sport, goals, recovery capacity, and training phase. Combining both modalities is effective for a well-rounded strength and power profile without compromising progress in either domain.[5][1][7]

This balanced approach benefits athletes seeking to develop both rapid force production and maximal strength while maintaining cardiovascular conditioning and recovery capacity.

Thus, Olympic weightlifting conditioning excels in explosive power and coordination development, while powerlifting conditioning focuses on supporting maximal strength and recovery through targeted conditioning tools. Both conditioning types complement each other well in hybrid training models for athletic performance enhancement.

This nuanced integration approach is optimal for athletes needing both power and strength qualities in competition or training.[2][6][3][4][1][7][5]

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The Women,Ladies,or GirLs

The terms "Women," "Ladies," and "Girls" are all used to refer to female individuals but carry different connotations depending on context, tone, and formality.

- **Women** is the most formal, respectful, and widely accepted term for adult females. It is appropriate in professional, sports, academic, and official communications. For example, in Olympic weightlifting and powerlifting competitions, divisions and categories are labeled for "women" to denote female athletes formally and inclusively without any diminutive implication.[11][12]

- **Ladies** is somewhat more polite or genteel but can be seen as slightly old-fashioned or overly formal depending on usage. It often conveys a softer, more refined tone, sometimes used in social contexts or marketing. However, in the sports world, its use is less common in official documentation but still appears in casual or promotional language.

- **Girls** traditionally refers to female children or adolescents. Using "girls" to describe adult women can be viewed as informal, diminutive, or disrespectful in formal or professional contexts, such as sports or fitness. However, "girls" is commonly used colloquially among peers or in specific cultural contexts to convey camaraderie or group identity but should be used carefully to avoid unintended condescension.[13]

In strength sports like Olympic weightlifting and powerlifting:

- Women's divisions and official language use "Women" to denote adult female competitors respectfully and inclusively.
- "Ladies" may appear in promotional or social settings with a lighter tone.
- "Girls" is less appropriate for official purposes but may appear informally among athletes themselves depending on group culture.[14][12]

Overall, "Women" is the recommended term for formal, respectful reference to adult female athletes or participants in training, competition, or professional contexts related to these strength sports.

This distinction promotes clarity, respect, and professionalism while acknowledging the social nuances of the other terms.

Hence, for addressing female athletes or discussing categories in Olympic weightlifting and powerlifting, "Women" is the accurate and professional choice.[12][11][14][13]

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Common women's weight classes in Olympic weightlifting

Notable female Olympic weightlifters to follow
How training differs for female vs male weightlifters
Nutrition guidelines for competitive female lifters
Best mobility drills for women in weightlifting

Here is comprehensive information addressing your questions about women's Olympic weightlifting:

Common Women's Weight Classes in Olympic Weightlifting (as of June 2025):
The International Weightlifting Federation (IWF) updated women's bodyweight categories to eight classes for Junior and Senior competitions: 48kg, 53kg, 58kg, 63kg, 69kg, 77kg, 86kg, and +86kg. However, the 2028 Olympic Games will feature a reduced number of five weight classes for women, specifics yet pending.[21][22]

Notable Female Olympic Weightlifters to Follow:

- Hidilyn Diaz (Philippines), Olympic gold medalist and multiple world champion
- Li Wenwen (China), world record holder and Olympic gold medalist in super heavyweight
- Giorgia Bordignon (Italy), top contender in mid-heavyweight classes
- Kuo Hsing-Chun (Taiwan), multiple world champion renowned for strength and technique
- Liao Qiuyun (China), consistent Olympic and world medalist
  Following official coverage and weightlifting federations can keep you updated on emerging talents and champions [knowledge].

Training Differences for Female vs. Male Weightlifters:
Training principles largely align, focusing on skill, strength, speed, and power in the snatch and clean & jerk. Key distinctions:

- Female lifters often require tailored programming that considers hormonal cycle fluctuations impacting recovery and strength cycles.
- Mobility and flexibility training may be emphasized more for females to optimize technique and injury prevention.
- Relative strength improvements and recovery protocols may be adjusted to account for physiological differences such as muscle mass distribution and joint laxity [knowledge].[23]

Nutrition Guidelines for Competitive Female Lifters:
Competitive female weightlifters require macrobalanced diets sufficient in protein (~1.6–2.2 g/kg), carbohydrates for training fuel and recovery, and adequate fats for hormonal health. Energy needs vary with training phase (off-season vs. pre-competition). Attention to micronutrients such as iron, calcium, and vitamin D is critical for female athletes due to higher risks of anemia and bone density concerns. Hydration and timing meals around training optimize performance and recovery [knowledge].

Best Mobility Drills for Women in Weightlifting:
Mobility drills focus on hips, shoulders, ankles, and thoracic spine to support deep squats and overhead positions:

- Hip openers (e.g., pigeon stretch, 90/90 hip rotations)
- Ankle dorsiflexion drills (e.g., wall ankle mobilization)
- Shoulder dislocations with bands or PVC pipe
- Thoracic spine extensions and rotations using foam rollers or dynamic stretches
  Integrating dynamic mobility warm-ups and static mobility work post-training reduces injury risk and enhances technical execution [knowledge].

This integrated view serves well for female Olympic weightlifters aiming to optimize performance, recovery, and longevity in the sport through careful attention to bodyweight class strategies, following elite athletes, customized training, nuanced nutrition, and targeted mobility work [knowledge].[22][21]

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Which new IWF women's weight classes take effect June 1, 2025

Which five women's classes are planned for LA 2028 Olympics
Top current female lifters in each Olympic-class category
Training program differences by sex for Olympic weightlifting
Nutrition plan for female lifters during a competition week

The new International Weightlifting Federation (IWF) women's weight classes effective June 1, 2025, are:

48kg, 53kg, 58kg, 63kg, 69kg, 77kg, 86kg, and +86kg for both Senior and Junior levels. For youth categories, the classes are slightly adjusted, starting at 44kg up to +77kg.[31][32]

For the 2028 Los Angeles Olympics, only five women's weight classes will be contested, but the exact weights have not been officially announced yet. They are expected to be fewer and spaced more evenly for competitive balance, likely resembling a reduced selection from the eight new classes.[33][32][34]

Top current female lifters in Olympic-class categories include:

- 48-53kg: Mihaela-Valentina Cambei (Romania)
- 58-63kg: Kuo Hsing-Chun (Taiwan)
- 69-77kg: Giorgia Bordignon (Italy)
- 86kg: Li Wenwen (China)
- +86kg: Hidilyn Diaz (Philippines)
  These athletes showcase world-class performances in their respective categories [knowledge].[35]

Training program differences by sex are subtle but important. Female lifters' training often incorporates considerations for hormonal cycles impacting recovery and strength, greater emphasis on mobility and flexibility, and adjustments in volume and intensity to optimize adaptations while reducing injury risk. Programming is mostly the same in terms

of exercise selection, technical skill, and strength work but individualized based on physiological differences [knowledge].[36]

A nutrition plan for female lifters during competition week balances carbohydrate loading for energy, moderate protein for muscle repair, and fats for hormonal balance, alongside hydration and electrolyte management. It emphasizes timing meals around key training and competition to maintain energy and reduce gastrointestinal upset, with attention to micronutrients like iron and calcium [knowledge].

This comprehensive perspective informs athletes and coaches preparing for the changing competitive landscape with new categories, elite competitors to study, sex-specific training adaptations, and nutrition strategies tailored for peak Olympic weightlifting performance [knowledge].[32][31][35]

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How will the new 2025 classes affect qualifying for major meets

Which athletes moved categories after the June 1, 2025 change
Compare the IWF 2025 classes with proposed LA 2028 classes
Sample 8-week peaking plan for a female lifter before a meet
Competition week meal plan with timing and portion sizes

Here is detailed information on the new 2025 IWF women's weight classes, athlete category moves, comparison with LA 2028 classes, and sample training and nutrition plans for female lifters:

Impact of New 2025 IWF Weight Classes on Qualifying for Major Meets:

- The new women's classes effective June 1, 2025, are 48, 53, 58, 63, 69, 77, 86, and +86 kg.
- Qualifying totals and standards have been updated accordingly; athletes must declare the new weight classes for upcoming major meets.

- Transition rules apply for athletes who previously competed in discontinued categories, requiring them to move to the closest new class or adjust bodyweight.
- National federations have adjusted their selection criteria and entries to reflect these categories, which impacts team strategy and international rankings.[41][42]

Athletes Who Moved Categories After June 1, 2025:

- Many athletes had to shift bodyweight classes due to category removals or changes.
- For example, athletes from the former 69 and 75 kg classes moved mainly to 69 and 77 kg, respectively.
- Top lifters like Kuo Hsing-Chun moved slightly between 63 and 64 kg to fit new criteria, while Li Wenwen remains in the +86 kg super heavyweight category.[42][43]

Comparison of IWF 2025 Classes with Proposed LA 2028 Olympic Classes:

Aspect	IWF 2025 Weight Classes	LA 2028 Olympic Weight Classes (Projected)
Women Classes Number	8 classes: 48, 53, 58, 63, 69, 77, 86, +86 kg	5 classes, yet to be officially finalized
Range Compression	Wider range, including lighter and heavier categories	Fewer classes, requiring weight shifts for athletes
Olympic Focus	Used for most international meets including worlds, juniors	Streamlined for Olympic participation
Specific Weights	Fixed weights with small increments between categories	Expected to be spaced to balance athlete distribution

Sample 8-Week Peaking Plan for Female Lifter Before a Meet:

- Weeks 1-4: Build volume and strength focusing on snatch, clean & jerk technique, and accessory work. Moderate intensity and volume.
- Weeks 5-6: Increase intensity (85-90% 1RM), reduce volume; incorporate heavy singles and doubles; emphasize recovery.
- Week 7: Peak intensity near 90-95% 1RM with very reduced volume; focus on technical consistency, fast bar speed.

- Week 8 (Competition Week): Taper volume drastically; include light technique sessions, mobility drills, and active recovery; nutrition and hydration optimized [knowledge].

Competition Week Meal Plan with Timing and Portion Sizes:

- Breakfast (3-4 hours pre warm-up): Moderate complex carbs (oatmeal, fruit), moderate protein (egg whites, yogurt), hydration.
- Mid-morning snack (2 hours pre warm-up): Simple carbs (fruit, juice), small protein (protein shake).
- Pre-session meal (1 hour pre): Easily digestible carbs, small protein, avoid fats and fiber to prevent GI discomfort.
- Post-training meal (within 30 minutes): High carbs + protein (recovery shake, rice and chicken).
- Dinner: Balanced meal with carbs, protein, and vegetables; hydrate.
- Portions adjusted to body weight and individual preferences to ensure energy without bloating [knowledge].

This overview sets a clear framework for how the IWF changes are influencing the competitive landscape, athlete adjustments, and optimal preparation strategies for female Olympic weightlifters aiming to peak at major competitions like the 2028 Olympics [knowledge].[43][42]

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Old school Olympic Weightlifting Routine that includes the forgotten Clean and Press

An old-school Olympic weightlifting routine incorporating the classic Clean and Press alongside the snatch and clean & jerk emphasizes full-body development, strength, and technical mastery. Historically, the Clean and Press was a staple in weightlifting training before it was officially discontinued after 1972 due to its potential for injury and inability to reliably measure pure strength in the sport.

Sample Old School Olympic Weightlifting Routine with Clean and Press

Frequency: 3 days per week, alternating focus on heavy, moderate, and technique days.

Day 1: Heavy Focus (Strength & Power)

- Warm-up: Dynamic stretching, mobility drills
- Snatch: 5x3 at 85-90% 1RM
- Clean & Jerk: 5x2 at 90% 1RM
- Clean and Press: 4x5 at 70-75% 1RM
- Back Squat: 4x6
- Bent-over Rows: 4x8
- Abdominal work: sit-ups or leg raises

Day 2: Technique & Speed

- Warm-up: Mobility drills focusing on hips and shoulders
- Power Snatch: 6x2 at 70-80%
- Power Clean & Jerk: 6x2 at 80-85%
- Clean and Press (light weight, focus on speed): 5x5 at 60-65%
- Front Squat: 4x6
- Pull-ups or Chin-ups: 4x8
- Core work: planks, side planks

Day 3: Volume & Hypertrophy

- Warm-up with mobility and light sets
- Snatch: 4x4 at 75-85%
- Clean & Jerk: 4x4 at 80-90%
- Clean and Press: 5x8 at 60-70%
- Deadlift: 3x8
- Dips or Dying Cockroach: 4x10

- Ab rollouts or hanging leg raises

Key Points:

- **Clean and Press focus:** Traditionally performed as a strict press or push press, emphasizing shoulder and tricep strength.
- **Rest periods:** 2-3 minutes between heavy lifts, 1-2 minutes for accessory work.
- **Progression:** Use linear progression or wave loading, increasing weights gradually over weeks.
- **Mobility:** Dedicate time to shoulder, wrist, and hip flexibility to prevent injuries.

Notes:

- The Clean and Press is an effective developmental lift for shoulder strength and overall power, but it is absent from modern competitive Olympic lifting.
- Reintroducing it periodically for hypertrophy, strength, and imbalance correction can be beneficial for serious weightlifters seeking to restore classic training elements.
- Due to safety concerns, proper form and cautious progression are essential.

This old-school approach combines traditional lifts with a focus on full-body strength development, capturing a historical method to complement modern training practices [knowledge].

Quiz,flashcards

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What about the Clean&Jerk;why was it taken out of the competition?

The Clean and Jerk was never taken out of Olympic weightlifting competition; it remains one of the two official lifts contested today, alongside the snatch. The clean and jerk consists of two movements: the clean, where the barbell is lifted from the floor to the

shoulders in one motion, and the jerk, where the barbell is explosively pressed overhead to a locked position.

What was removed from Olympic competition after 1972 is the **Clean and Press**, which used to be the third lift alongside the snatch and clean and jerk. The clean and press involved cleaning the barbell to the shoulders and then pressing it overhead strictly with the upper body, without leg drive or excessive body lean. It was dropped due to technical difficulties in consistent judging — over time, lifters began using excessive back lean or bending their legs to "cheat" the press, making it hard to fairly enforce rules. The movement shifted from a test of strict shoulder strength to a more complex, less standardized lift involving lumbar extension, which raised safety concerns and judging controversies.

Thus, the modern Olympic competition features only the snatch and the clean and jerk as the lifts, with the clean and press being a "forgotten" pre-1972 event from weightlifting history.[59][60][61][62][63]

In summary:

- The clean and jerk is still a core Olympic lift.
- The clean and press was removed after the 1972 Munich Olympics due to judging and form issues.
- The clean and jerk involves lifting the barbell to the shoulders and then jerking it overhead explosively.
- The clean and press involved a strict press overhead but was dropped for evolving into an unjudgeable movement.[60][63]

This historical change reflects the evolving standards and safety considerations in Olympic weightlifting.

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I mean clean& press

The **Clean and Press** was officially a part of Olympic weightlifting from 1928 until 1972. It was discontinued mainly due to judging difficulties and safety concerns. The exercise

involved lifting the barbell from the ground to the shoulders (the clean), then pressing it overhead (the press), using strict form without any leg drive or backward lean.[68][69]

Over time, many athletes began using techniques that exploited the rules, such as excessive hip thrusts, leaning backward, or bending the knees intentionally to assist the press — compromises that made judging inconsistent and controversial. The movement gradually evolved into a form that was difficult to judge fairly, with some lifters using hips and back to force the bar overhead, leading to safety risks and inconsistent judging standards. Due to these issues, the International Weightlifting Federation officially dropped the Clean and Press after the 1972 Munich Olympics, focusing solely on the snatch and the clean & jerk from then on.[70][68]

In summary:

- The **Clean and Press** was part of Olympic competition from 1928 to 1972.
- It was removed due to **judging difficulties** and **safety concerns** stemming from the technical abuses by athletes.
- The lift involved a clean from the ground to the shoulders and an overhead strict press, but the technical integrity became compromised over time.

The removal was a practical decision to maintain fair judging standards and athlete safety, leading to the modern focus on the snatch and clean & jerk only.

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1. https://blog.nasm.org/newletter/scientific-rationale-incorporating-olympic-weightlifting-enhance-sports-performance
2. https://www.westside-barbell.com/blogs/the-blog/powerlifting-vs-weightlifting
3. https://www.barbellmedicine.com/blog/olympic-lifting-vs-powerlifting/
4. https://joshstrength.com/2014/08/conditioning/
5. https://ericcressey.com/conditioning-for-powerlifters-get-strong/
6. https://www.elitefts.com/education/conditioning-for-powerlifters/
7. https://www.strengthwisebarbell.com/resources/ws4sxu1cpszh1a0wpawz768ka6j557

8. https://www.reddit.com/r/tacticalbarbell/comments/16of26w/olympic_weightlifting_vs_standard_gym_lifting/
9. https://www.jtsstrength.com/conditioning-strength-athletes/
10. https://www.reddit.com/r/powerlifting/comments/72kkze/cardioconditioning_for_powerlifting/
11. https://www.nbcolympics.com/news/weightlifting-101-olympic-terminology-and-glossary
12. https://www.usaweightlifting.org/weightlifting101/the-lifts
13. https://thefitwriter.wordpress.com/2016/03/07/your-a-z-of-powerlifting-jargon/
14. https://sabertoothfitnesscompany.com/weightlifting-terms-definitions-glossary/
15. http://www.deepsquatter.com/strength/archives/manrodt.htm
16. https://www.olympics.com/en/news/olympic-weightlifting-101-terminology-definitions
17. https://www.nsca.com/contentassets/3ced54a73f4d4f019cfd3c72b6bf683e/caoch2.1-clarifying_weightlifting_exercises_and_terminology.pdf
18. https://mirafit.co.uk/blog/a-to-z-of-powerlifting/
19. https://odf.olympictech.org/2024-Paris/OG/PDF/ODF_WLF_Data_Dictionary.pdf
20. https://torokhtiy.com/blogs/guides/weightlifting-terms
21. https://www.usaweightlifting.org/weightlifting-101/weight-classes
22. https://iwf.sport/2024/12/20/new-bodyweight-categories-from-june-1-2025/
23. https://sabertoothfitnesscompany.com/weightlifting-terms-definitions-glossary/
24. https://www.reddit.com/r/weightlifting/comments/1h4vjm6/new_iwf_weight_classes_from_jan_2025/
25. https://www.usaweightlifting.org/news/2024/december/06/usaw-responses-to-new-iwf-weight-classes-competition-updates
26. https://usastore.weightliftinghouse.com/blogs/news/iwf-new-weight-classes-weightlifting
27. https://iwf.sport/2025/05/08/update-on-iwf-bodyweight-categories/
28. https://www.catalystathletics.com/article/1836/Olympic-Weightlifting-Skill-Levels-Chart/

29. https://www.nbcolympics.com/news/weightlifting-101-olympic-rules-violations-and-competition-format

30. https://barbend.com/iwf-new-weightlifting-categories-june-2025/

31. https://www.usaweightlifting.org/news/2024/december/06/usaw-responses-to-new-iwf-weight-classes-competition-updates

32. https://iwf.sport/2025/05/08/update-on-iwf-bodyweight-categories/

33. https://www.usaweightlifting.org/weightlifting-101/weight-classes

34. https://usastore.weightliftinghouse.com/blogs/news/iwf-new-weight-classes-weightlifting

35. https://www.olympics.com/en/news/2025-iwf-world-weightlifting-championships-schedule-all-results-medal-winners-full-list

36. https://sabertoothfitnesscompany.com/weightlifting-terms-definitions-glossary/

37. https://iwf.sport/2024/12/20/new-bodyweight-categories-from-june-1-2025/

38. https://iwf.sport/2025/04/01/iwfs-latest-updates-to-the-tcrr/

39. https://barbend.com/iwf-new-weightlifting-categories-june-2025/

40. https://usastore.weightliftinghouse.com/blogs/news/weightlifting-world-standards-2025

41. https://www.usaweightlifting.org/news/2025/may/07/iwf-announces-adjusted-june-1-bodyweight-categories-usaw-adjusts-in-response

42. https://www.usaweightlifting.org/news/2024/december/06/usaw-responses-to-new-iwf-weight-classes-competition-updates

43. https://www.olympics.com/en/news/2025-iwf-world-weightlifting-championships-schedule-all-results-medal-winners-full-list

44. https://sportaran.com/en/post/novye-vesovye-kategorii-v-tyazhyoloj-atletike-est-odno-vazhnoe-izmenenie/

45. https://www.reddit.com/r/weightlifting/comments/1khc1ws/another_change_to_weight_classes/

46. https://iwf.sport/2025/04/01/iwfs-latest-updates-to-the-tcrr/

47. https://iwf.sport/2024/12/20/new-bodyweight-categories-from-june-1-2025/

48. https://usastore.weightliftinghouse.com/blogs/news/iwf-new-weight-classes-weightlifting
49. https://luxiaojun.eu/changes-to-iwf-weight-categories-a-new-era-for-weightlifting/
50. https://iwf.sport/2025/05/08/update-on-iwf-bodyweight-categories/
51. https://usastore.weightliftinghouse.com/blogs/news/weightlifting-world-standards-2025
52. https://www.nbcolympics.com/news/weightlifting-101-olympic-terminology-and-glossary
53. https://www.cram.com/flashcards/a-usaw-performance-coach-test-1462451
54. https://www.flashcardmachine.com/nsca-cscschapter4.html
55. https://www.brainscape.com/flashcards/crossfit-level-1-deck-375854/packs/805050
56. https://emojiflashcards.com/flashcards/sports
57. https://www.brainscape.com/flashcards/chapter-13-12140118/packs/20796510
58. https://www.cram.com/flashcards/mccurdy-weight-training-terms-1726122
59. https://en.wikipedia.org/wiki/Clean_and_jerk
60. https://en.wikipedia.org/wiki/Clean_and_press
61. https://physicalculturestudy.com/2018/04/09/the-history-of-olympic-weightlifting/
62. https://mirafit.co.uk/blog/a-history-of-olympic-weightlifting/
63. https://eleiko.com/en/stories/history-of-olympic-weightlifting
64. https://www.blenderbottle.com/blogs/health/the-evolution-of-the-clean-from-strongman-feats-to-olympic-weightlifting
65. https://www.youtube.com/watch?v=hMe0AZOlnJI
66. https://www.usaweightlifting.org/news/2024/may/28/the-history-of-olympic-weightlifting
67. https://www.reddit.com/r/weightlifting/comments/8g17op/where_can_i_read_up_on_the_technical_history_of/
68. https://en.wikipedia.org/wiki/Clean_and_press
69. https://en.wikipedia.org/wiki/Clean_and_jerk

70. https://www.olympics.com/en/news/weightlifting-olympics-rules-history-snatch-clean-and-jerk

71. https://physicalculturestudy.com/2018/04/09/the-history-of-olympic-weightlifting/

72. https://www.blenderbottle.com/blogs/health/the-evolution-of-the-clean-from-strongman-feats-to-olympic-weightlifting

73. https://www.usaweightlifting.org/news/2024/may/28/the-history-of-olympic-weightlifting

74. https://eleiko.com/en/stories/history-of-olympic-weightlifting

75. https://www.reddit.com/r/weightlifting/comments/8g17op/where_can_i_read_up_on_the_technical_history_of/

76. https://www.facebook.com/groups/1446760735417129/posts/7211777865582025/

77. https://en.wikipedia.org/wiki/Olympic_weightlifting